FIG.1

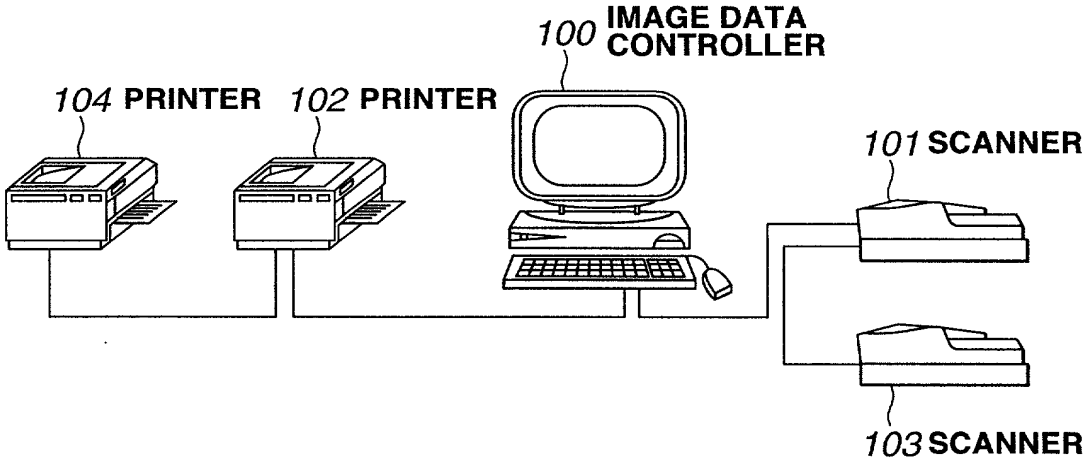

100 IMAGE DATA CONTROLLER
104 PRINTER
102 PRINTER
101 SCANNER
103 SCANNER

FIG.2

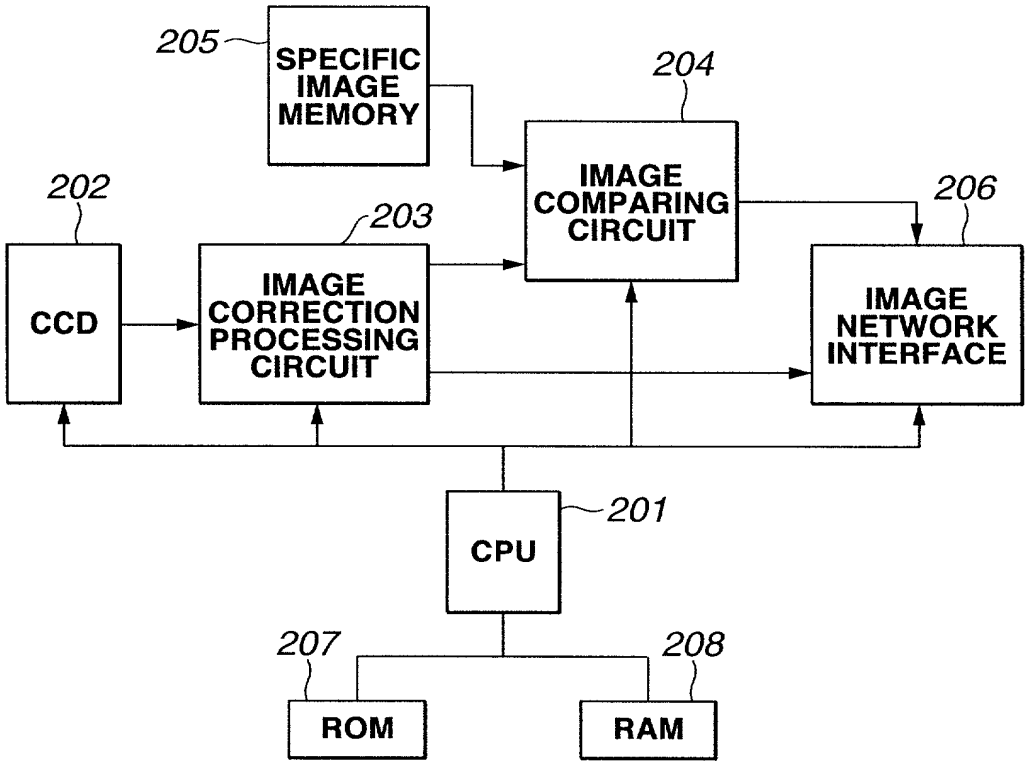

205
SPECIFIC IMAGE MEMORY
204
IMAGE COMPARING CIRCUIT
202
CCD
203
IMAGE CORRECTION PROCESSING CIRCUIT
206
IMAGE NETWORK INTERFACE
201
CPU
207
ROM
208
RAM

FIG.3

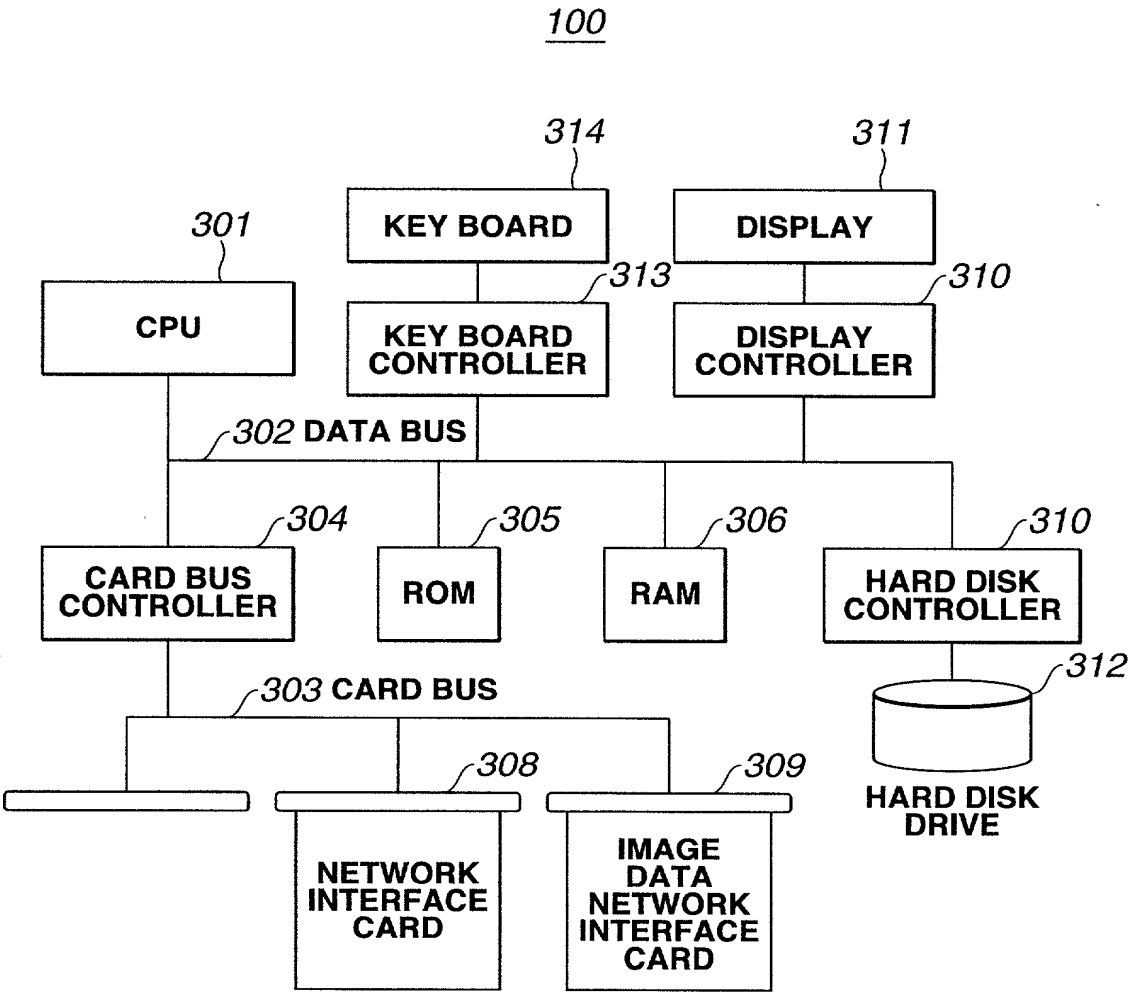

100
314
311
KEY BOARD
DISPLAY
301
313
310
CPU
KEY BOARD CONTROLLER
DISPLAY CONTROLLER
302 DATA BUS
304
305
306
310
CARD BUS CONTROLLER
ROM
RAM
HARD DISK CONTROLLER
312
303 CARD BUS
308
309
HARD DISK DRIVE
NETWORK INTERFACE CARD
IMAGE DATA NETWORK INTERFACE CARD

FIG.4

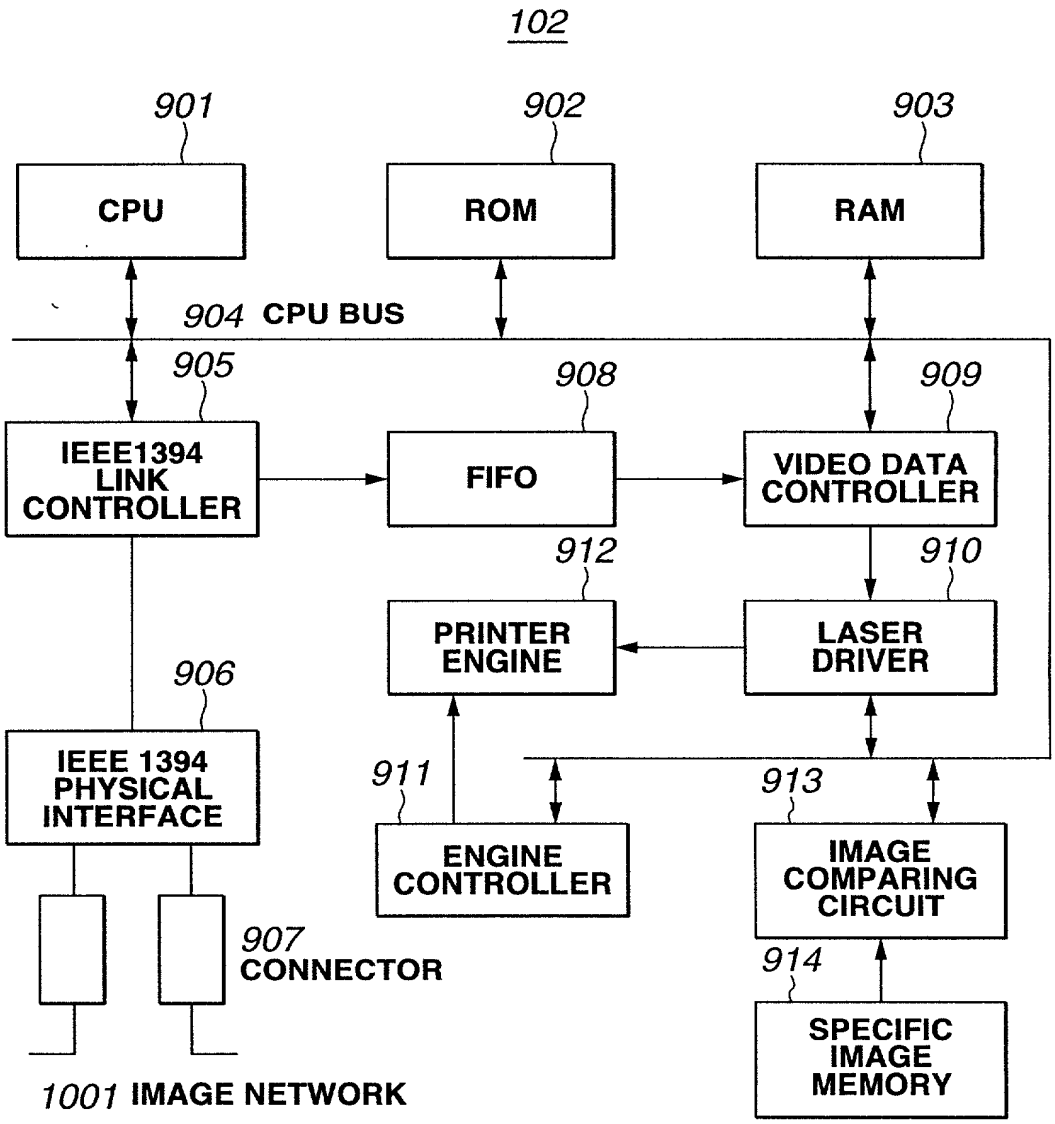

102
901
CPU
902
ROM
903
RAM
904 CPU BUS
905
IEEE1394 LINK CONTROLLER
908
FIFO
909
VIDEO DATA CONTROLLER
912
PRINTER ENGINE
910
LASER DRIVER
906
IEEE 1394 PHYSICAL INTERFACE
911
ENGINE CONTROLLER
913
IMAGE COMPARING CIRCUIT
907 CONNECTOR
914
SPECIFIC IMAGE MEMORY
1001 IMAGE NETWORK

FIG.5

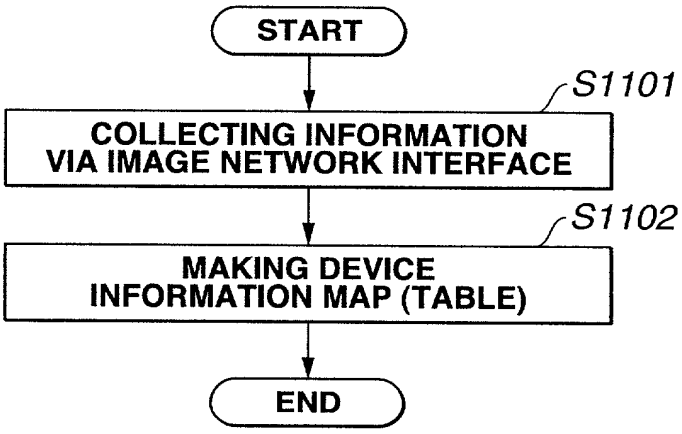
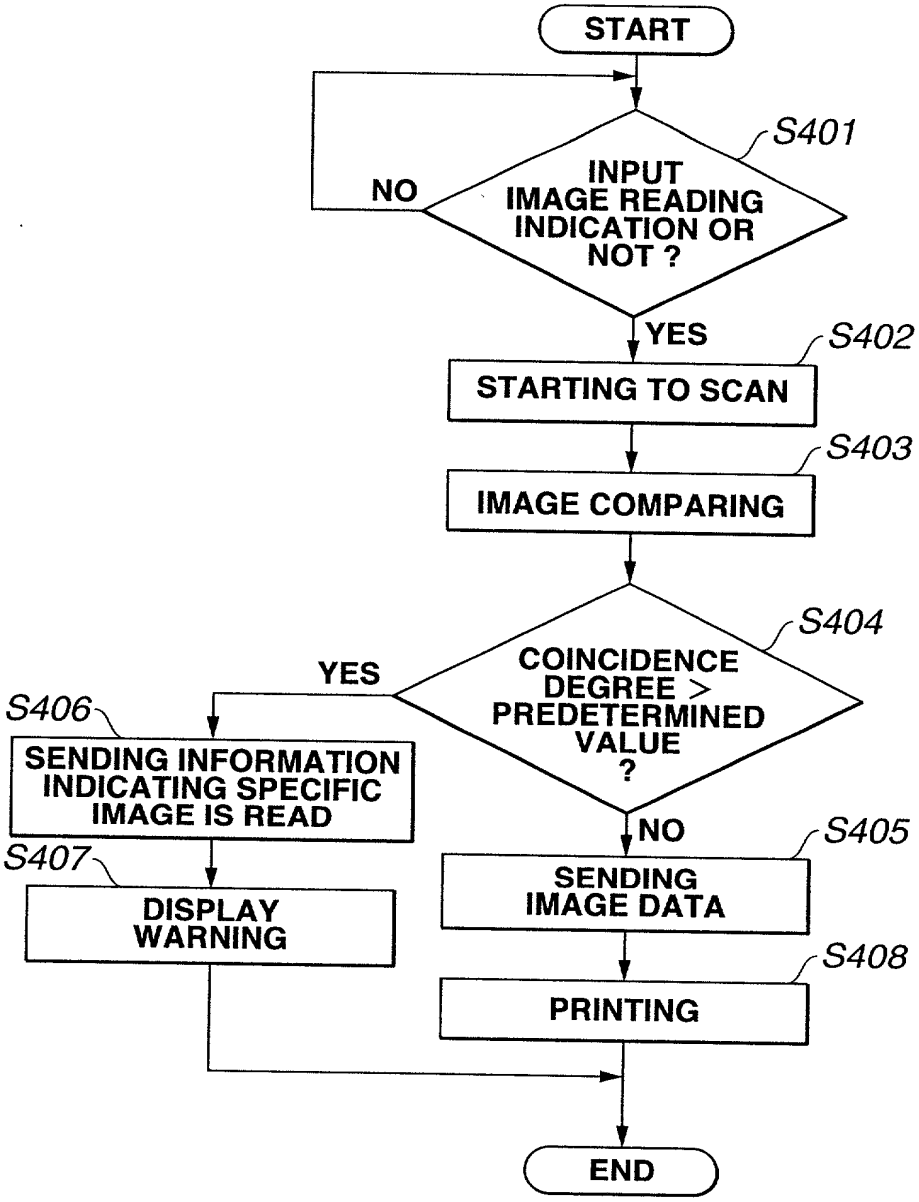


FIG.6

DEVICE NAME	FORGERY - PREVENTING FUNCTION
101 SCANNER	○
102 PRINTER	○
103 SCANNER	×
104 PRINTER	×

FIG.7


START
S401
INPUT IMAGE READING INDICATION OR NOT ?
NO
YES
S402
STARTING TO SCAN
S403
IMAGE COMPARING
S404
COINCIDENCE DEGREE > PREDETERMINED VALUE ?
YES
S406
SENDING INFORMATION INDICATING SPECIFIC IMAGE IS READ
S407
DISPLAY WARNING
NO
S405
SENDING IMAGE DATA
S408
PRINTING
END

EP 0 921 675 A2

FIG.8

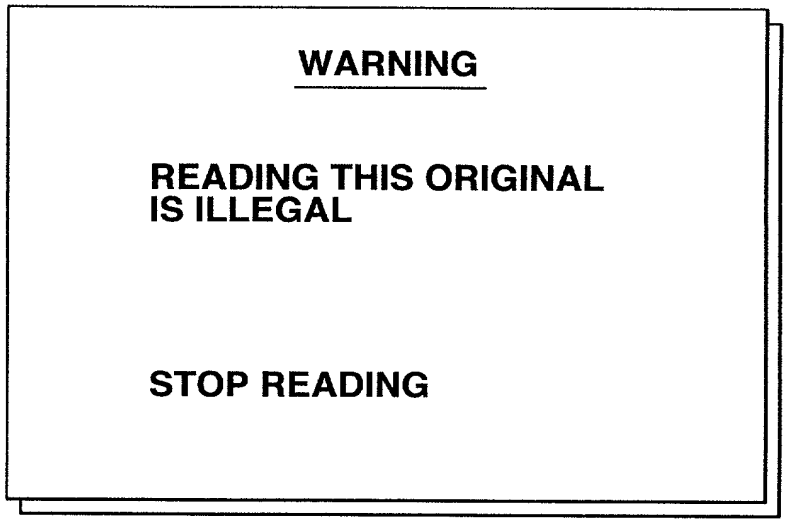


FIG.9

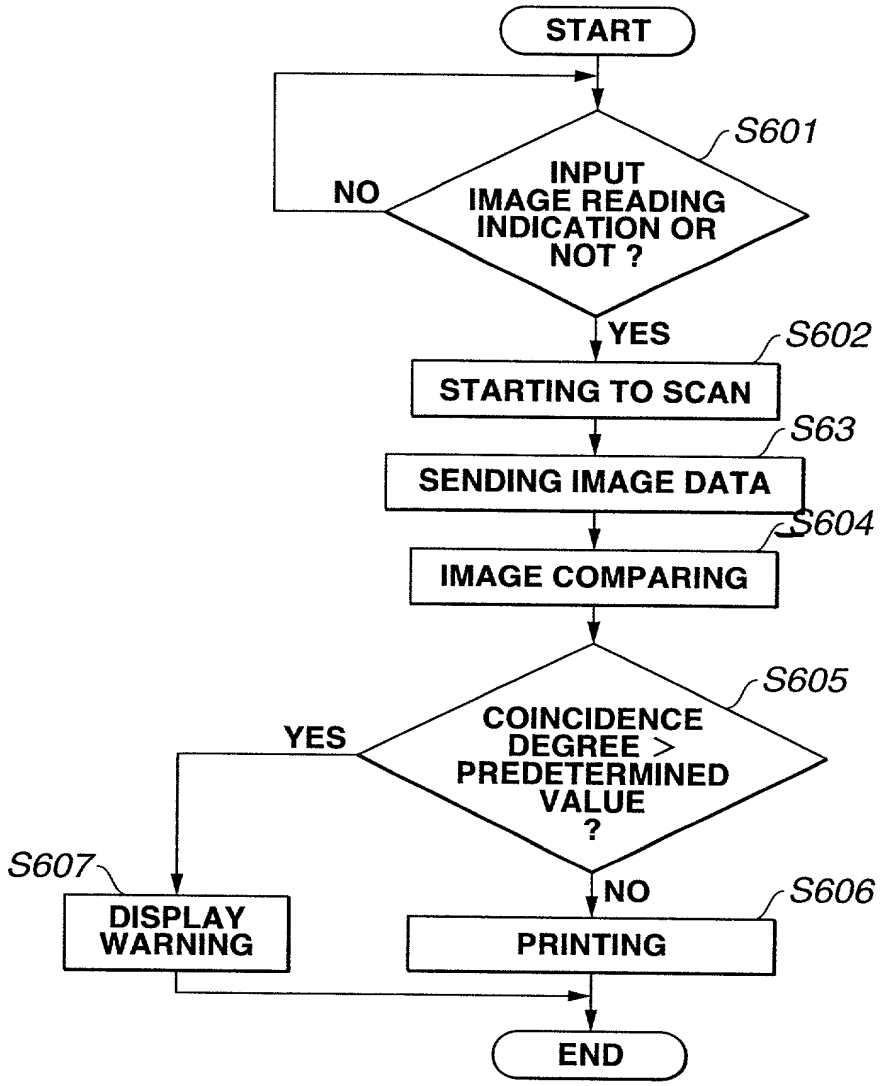

START
S601
INPUT IMAGE READING INDICATION OR NOT ?
NO
YES
S602
STARTING TO SCAN
S63
SENDING IMAGE DATA
S604
IMAGE COMPARING
S605
COINCIDENCE DEGREE > PREDETERMINED VALUE ?
YES
NO
S607
DISPLAY WARNING
S606
PRINTING
END

FIG.10

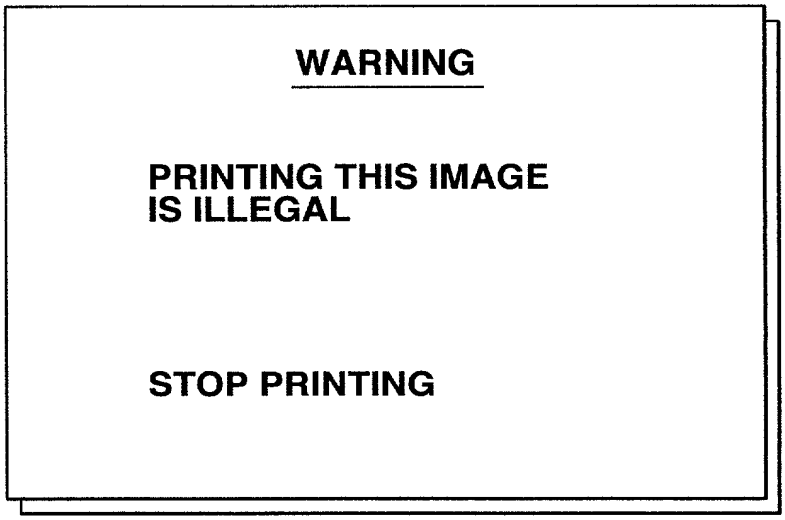

WARNING
PRINTING THIS IMAGE
IS ILLEGAL
STOP PRINTING

FIG.11

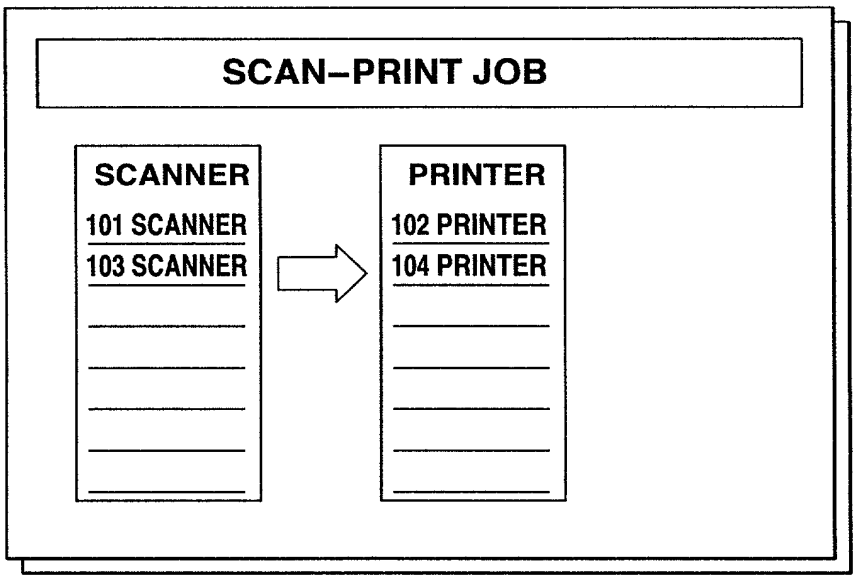

SCAN–PRINT JOB
SCANNER
101 SCANNER
103 SCANNER
PRINTER
102 PRINTER
104 PRINTER

FIG.12

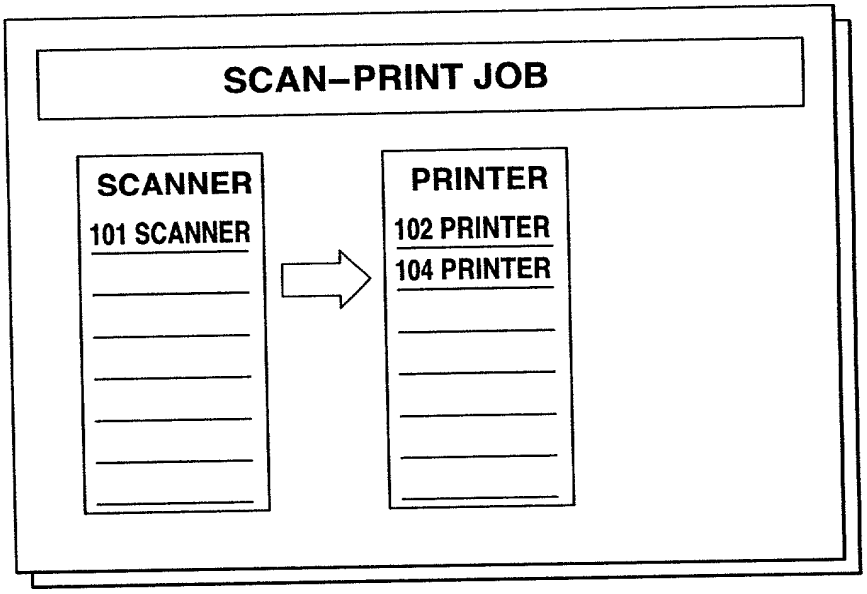

SCAN–PRINT JOB
SCANNER
101 SCANNER
PRINTER
102 PRINTER
104 PRINTER

FIG.13

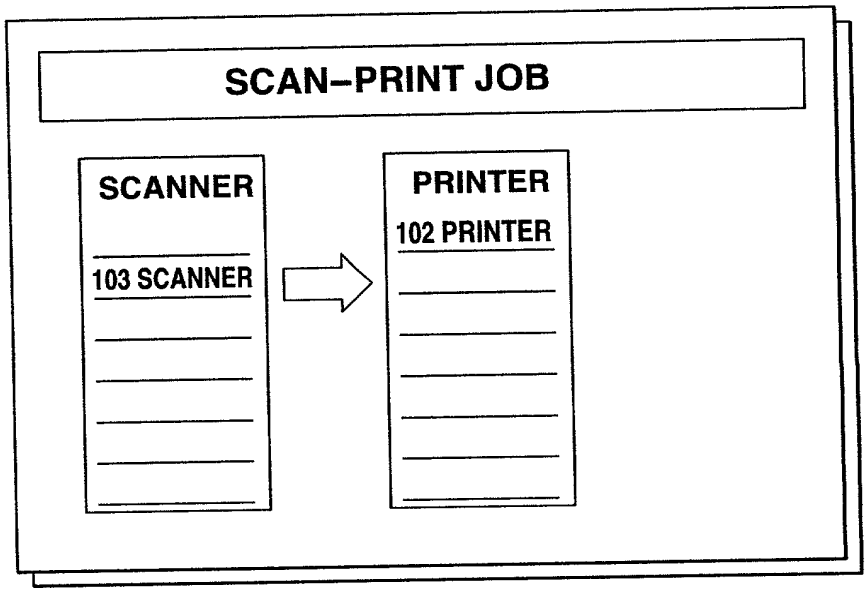
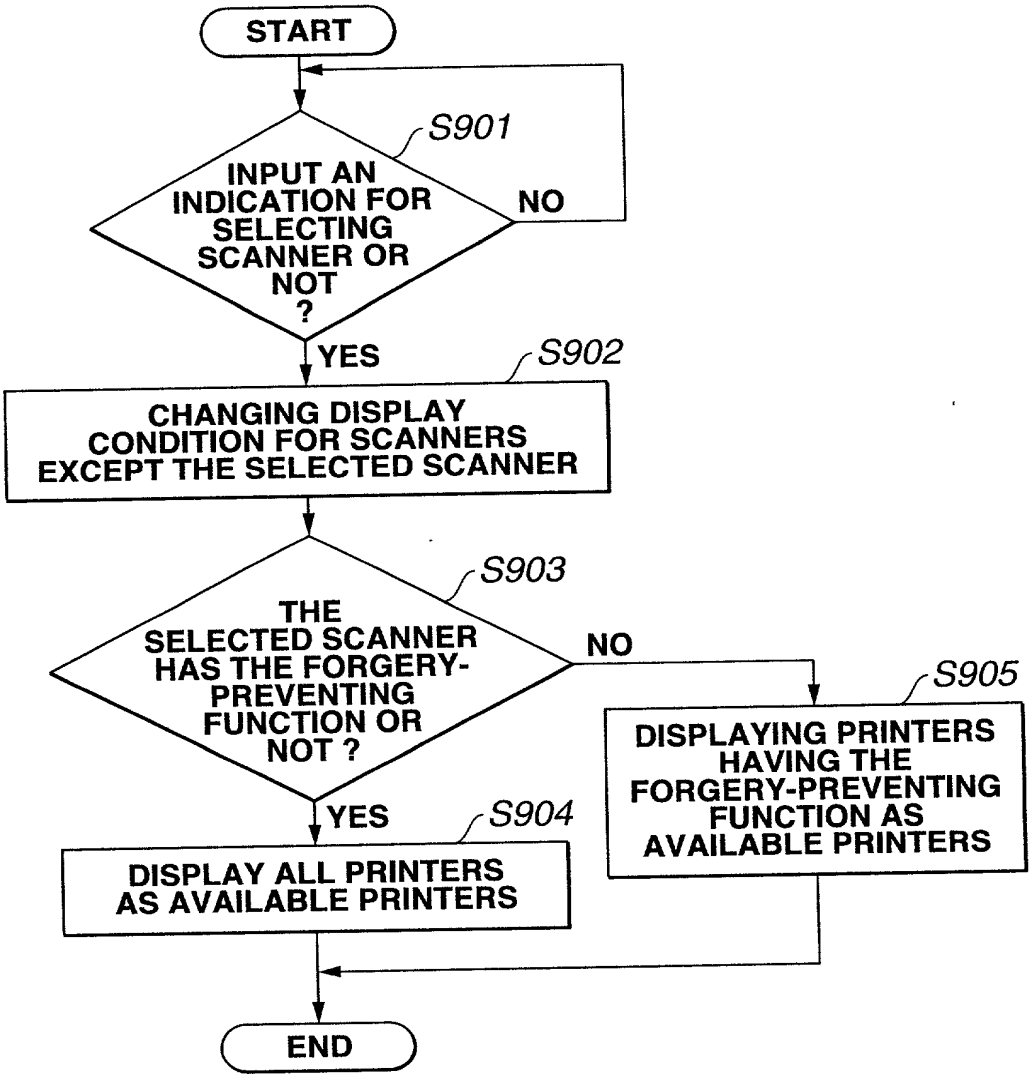

SCAN–PRINT JOB
SCANNER
103 SCANNER
PRINTER
102 PRINTER

FIG.14


START
S901
INPUT AN INDICATION FOR SELECTING SCANNER OR NOT ?
NO
YES
S902
CHANGING DISPLAY CONDITION FOR SCANNERS EXCEPT THE SELECTED SCANNER
S903
THE SELECTED SCANNER HAS THE FORGERY-PREVENTING FUNCTION OR NOT ?
NO
S905
DISPLAYING PRINTERS HAVING THE FORGERY-PREVENTING FUNCTION AS AVAILABLE PRINTERS
YES
S904
DISPLAY ALL PRINTERS AS AVAILABLE PRINTERS
END